

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058803 A1

(51) International Patent Classification⁷: C07C 259/10,
233/80, 259/06, A61K 31/167, A61P 35/00

(21) International Application Number:
PCT/IB2004/004334

(22) International Filing Date:
10 December 2004 (10.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03293143.8 12 December 2003 (12.12.2003) EP

(71) Applicant (for all designated States except US): EXON-HIT THERAPEUTICS SA [FR/FR]; 26, rue Brunel, F-75017 Paris (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): LEBLOND, Bertrand [FR/FR]; 111, rue Thomas Dubosc, F-76000 Rouen (FR). BEAUSOLEIL, Eric [CA/FR]; 5bis, rue Chauvelot, F-75015 Paris (FR).

(74) Agents: TEZIER HERMAN, Béatrice et al.; Becker & Associes, 25, rue Louis Le Grand, F-75002 Paris (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

— with international search report
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/058803 A1

(54) Title: TRICYCLIC HYDROXAMATE AND BENZAMIDE DERIVATIVES, COMPOSITIONS AND METHODS

(57) Abstract: The present invention relates to compounds and methods for inhibiting histone deacetylase enzymatic activity. The present invention also pertains to pharmaceutical compositions comprising such compounds, and the use of such compounds and compositions, both in vitro and in vivo, to inhibit histone deacetylases (HDACs), and in the treatment of conditions mediated by HDAC, cancer, proliferative conditions, psoriasis, and also central nervous system diseases. It further deals with processes for preparing said compounds.